# Simple Network Management Protocol (SNMP)

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# Introduction

The Internet is:

- a world-wide network of networks

- with gateways linking organizations in North and South America, and Europe

The networks all use a common suite of networking protocols, Transmission Control Protocol/Internet Protocol (TCP/IP).

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# Introduction (cont'd)

As MU-SPIN schools' networks grow in scale, two facts will become painfully evident:

- **The network and its associated resources become indispensable to the organization; and**

- **Many things can go wrong, thereby disabling the network or a portion of it, or degrading performance to an unacceptable level.**
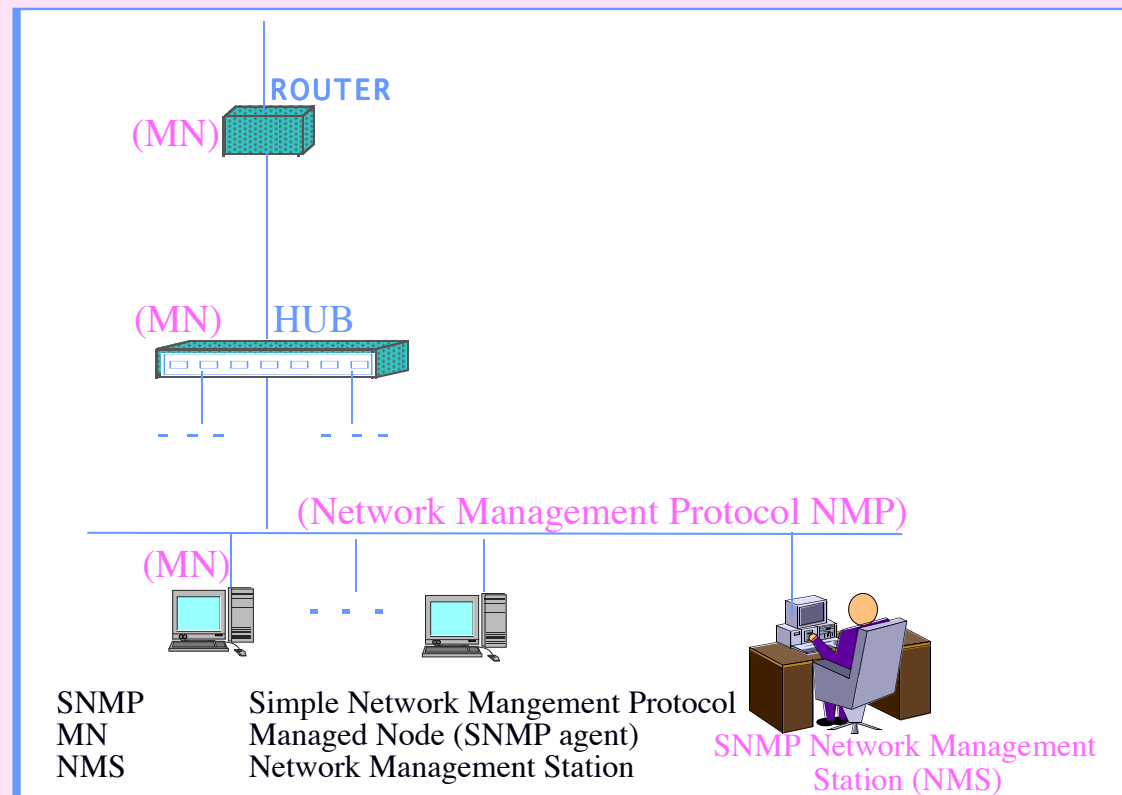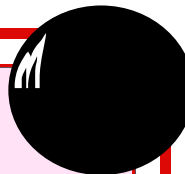
SNMP is a key Internet Standard

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# NETWORK MANAGEMENT MODEL

ROUTER

(MN)

(MN) HUB

(Network Management Protocol NMP)

(MN)

SNMP       Simple Network Mangement Protocol
MN       Managed Node (SNMP agent)
NMS       Network Management Station

SNMP Network Management
Station (NMS)

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